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Selektive Kurzschlussstromschutzeinrichtung.

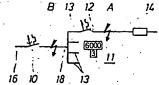
Selektiver Hauptsicherungsautomat

Bei bekannten selektiven Hauptsicherungsautomaten wird die Trennstelle im Hauptstrompfad penodisch geschlossen, wodurch bei einer Kurzschluß-

stromaßschaltung in einem bestimmten Kurzschlußstrombereich daraus höhere Durchlaß-l²t-Werte resultieren.

Diesem Problem wird abgeholfen dadurch, daß nach erfolgter Begrenzung des ersten Kurzschlußimpulses die Rückschließung der Hauptkontaktstelle erst bei Nennbetriebsverhältnissen erfolgt und von einer in einem parallel zum Hauptstrompfad geschalteten Nebenstrompfad befindlichen Selektivitätseinrichtung (33) zeitgesteuert ist.

Bevorzugtes Anwendungsgebiet des neuen selektiven Hauptsicherungsautomaten sind Niederspannungsverteileranlagen insbesondere Gebäudeinstallationen.



19/02/2005

Selective protective device against short-circuit currents (EP0350829B1)





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pulse followed by main contactor reclosure using timed selectivity switch Derwent Record

Selective short-circuit current protection in distribution network - involves limitation of initial fault current

EP European Patent Office (EPO) 8 Country

B1 Patent ^I (See also: <u>EP0350829A2, EP0350829A3</u>) & Kind:

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EP1989000112564 S Application -Number:

H01H 71/10; H02H 3/02 PIPC Code:

H01H71/10F; H02H7/30; & ECLA Code:

DE1988003823975 1988-07-Priority Number:

circuit-breaker In known selective automatic main circuit-breakers, Selective automatic main From equivalent EP0350829A2] & Abstract:

the disconnection point in the main current path is periodically

closed, resulting in higher I2t let-through values given a short-circuit

Resolution 15 pages Resolution ĕ

only given nominal operating conditions, and is time-controlled by a parallel with the main current path. Preferred application area of the selectivity device (33) located in a shunt current path connected in been limited, the re-closing of the main contact point is carried out current disconnection in a given short-circuit current range. This problem is remedied, in that, after the first short-circuit pulse has novel selective automatic main circuit-breaker are low-voltage distribution systems, especially building installations.

Selective protective device against short-circuit currents (EP0350829B1)

Rupprecht, Klaus, Dipl.-Ing. et al PAttorney, Agent

or Firm:

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PDF	Publication	ication Pub. Date	Filed Title	Title
82	EP0350829B1	1995-11-29	1989-07-10	0829B1 1995-11-29 1989-07-10 Selective protective device against short-circuit currents
K.	EP0350829A3	1991-07-17	1989-07-10	0829A3 1991-07-17 1989-07-10 Selective protective device against short-circuit currents
23	EP0350829A2	1990-01-17	1989-07-10	0829A2 1990-01-17 1989-07-10 Selective protective device against short-circuit currents
M	DE58909512C0	1996-01-11	1989-07-10	309512C0 1996-01-11 1989-07-10 KURZSCHLUSSSTROMSCHUTZEINRICHTUNG.
Z	DE3823975A1	1990-01-18	1988-07-15	3975A1 1990-01-18 1988-07-15 Selektive Kurzschlussstromschutzeinrichtung
Z	AT0130957E	1995-12-15	1989-07-10	1995-12-15 1989-07-10 KURZSCHLUSSSTROMSCHUTZEINRICHTUNG.
e family members	٠,	. 97		

& Description Expand description

Die Erfindung betrifft einen selektiven Hauptsicherungsautomat gemaß dem Oberbegriff des Anspruches 1.

- + 1. Einschalten auf Nennbetrieb
 - + 2. Einschalten auf Leerlauf
- + 3. Einschalten auf Kurzschlußstrom

preaker (10) for the selective disconnection of short-circuit current in being used for the selectively staggered protection of the loads (14) protected loads (14), the main protective miniature circuit-breaker. 1. Selective main protective miniature circuitelectrical distribution networks which each have individually Show all claims PFirst Claim:

10/02/20/05

Selective protective device against short-circuit currents (EP0350829B1)

DERABS G90-016177

Info:

POther Abstract









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10/02/20/01

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